

Section II
Soil and Site Information

Construction Materials Table 2
Union County, South Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ab: Albaton-----	90	Poor Too clayey Low content of organic matter Carbonate content	0.00 0.50 0.97	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone Carbonate content	0.00 0.00 0.97
Ac: Albaton-----	100	Poor Too clayey Low content of organic matter Carbonate content	0.00 0.50 0.97	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone Carbonate content	0.00 0.00 0.97
Ad: Albaton-----	100	Poor Too clayey Carbonate content	0.00 0.97	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone Carbonate content	0.00 0.00 0.97
Ae: Alcester-----	85	Good		Poor Low strength Shrink-swell	0.00 0.92	Good	
Bd: Benclare-----	90	Poor Too clayey Low content of organic matter	0.00 0.50	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.76	Poor Too Clayey Depth to saturated zone	0.00 0.76
Be: Benclare-----	90	Poor Too clayey Low content of organic matter	0.00 0.50	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.76	Poor Too Clayey Depth to saturated zone	0.00 0.76

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Bf: Blencoe-----	90	Fair Low content of organic matter Water erosion Carbonate content	0.88 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.99	Fair Carbonate content	0.97
Bg: Blyburg-----	90	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
Bor: Orthents, Loamy----	100	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Slope	0.96
Ca: Calco-----	85	Fair Too clayey Carbonate content	0.88 0.97	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone Too Clayey Carbonate content	0.00 0.88 0.97
CbE2: Crofton-----	80	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Poor Slope	0.00
CbF: Crofton-----	85	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Slope	0.00 0.02	Poor Slope	0.00
CnB: Crofton-----	55	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Nora-----	35	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
CnD2: Crofton-----	55	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Fair Slope	0.96
Nora-----	25	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Da: Davis-----	90	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
De: Dempster-----	90	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.02
EaB: Egan-----	55	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Shindler-----	35	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
EaC: Egan-----	50	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Shindler-----	40	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
EmA: Enet-----	95	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
EnB: Enet-----	50	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
Dempster-----	50	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.02
Fa: Chaska-----	97	Good		Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
Fb: Norway-----	99	Poor Wind erosion Too sandy Low content of organic matter Droughty	0.00 0.11 0.12 0.98	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Too sandy	0.00 0.11
Fc: Forney-----	100	Poor Too clayey	0.00	Poor Shrink-swell Low strength Depth to saturated zone	0.00 0.00 0.53	Poor Too Clayey Depth to saturated zone	0.00 0.53

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Fe: Forney-----	90	Poor Too clayey	0.00	Poor Shrink-swell Low strength Depth to saturated zone	0.00 0.00 0.53	Poor Too Clayey Depth to saturated zone	0.00 0.53
Ga: Grable-----	70	Fair Low content of organic matter Water erosion Carbonate content	0.12 0.90 0.97	Good		Fair Carbonate content	0.97
Gb: Graceville-----	90	Good		Poor Low strength Shrink-swell	0.00 0.94	Good	
Gp: Orthents, Gravelly--	100	Fair Droughty Low content of organic matter Too sandy	0.05 0.12 0.14	Good		Poor Rock fragments Too sandy Hard to reclaim	0.00 0.14 0.18
Ha: Haynie-----	80	Fair Low content of organic matter Water erosion Carbonate content	0.50 0.90 0.97	Poor Low strength	0.00	Fair Carbonate content	0.97
Hb: Haynie-----	90	Fair Water erosion	0.99	Poor Low strength	0.00	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ja: James-----	90	Poor Too clayey Salinity Sodium content Water erosion	0.00 0.00 0.22 0.99	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Depth to saturated zone Salinity Too Clayey Sodium content	0.00 0.00 0.00 0.22
La: Lakeport-----	90	Fair Too clayey Low content of organic matter Water erosion	0.50 0.88 0.90	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey	0.50
Lb: Lamo-----	90	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.53 0.87	Fair Depth to saturated zone	0.53
Ld: Luton-----	90	Poor Too clayey Low content of organic matter	0.00 0.50	Poor Depth to saturated zone Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
Ma: Mcpaul-----	85	Fair Carbonate content	0.97	Poor Low strength	0.00	Fair Carbonate content	0.97

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mb: Modale-----	90	Fair Low content of organic matter Carbonate content Water erosion	0.88 0.97 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.00 0.76	Fair Depth to saturated zone Carbonate content	0.76 0.97
McA: Moody-----	90	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.95	Good	
McB: Moody-----	90	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.95	Good	
MdC: Moody-----	50	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.95	Good	
Nora-----	35	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
NeF: Nora-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope	0.00
Crofton-----	40	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Slope Low strength	0.00 0.00	Poor Slope	0.00

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Oa: Omadi-----	90	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength	0.00	Good	
Ob: Onawa-----	80	Poor Too clayey Low content of organic matter Water erosion Carbonate content	0.00 0.12 0.90 0.97	Poor Low strength Shrink-swell	0.00 0.39	Poor Too Clayey Carbonate content	0.00 0.97
Or: Orthents, Loamy-----	95	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Low strength Shrink-swell	0.22 0.87	Good	
Pa: Percival-----	80	Poor Too clayey Low content of organic matter Droughty	0.00 0.12 0.17	Fair Shrink-swell	0.39	Poor Too Clayey	0.00
Sa: Salix-----	90	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength	0.00	Good	
Sb: Salmo-----	90	Fair Salinity Carbonate content Sodium content	0.88 0.97 0.97	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.76 0.87	Poor Salinity Depth to saturated zone Carbonate content	0.00 0.76 0.97

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ScB: Sardak-----	90	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.35	Good		Poor Too sandy	0.00
SdA: Scroll-----	90	Poor Droughty Too sandy Low content of organic matter	0.00 0.00 0.12	Good		Poor Too sandy	0.00
SeA: Sardak-----	90	Poor Too sandy Wind erosion Droughty Low content of organic matter	0.00 0.00 0.35 0.88	Good		Poor Too sandy	0.00
ShD: Shindler-----	85	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Slope	0.37
ShE: Shindler-----	85	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Slope Shrink-swell	0.00 0.08 0.87	Poor Slope	0.00
St: Storla-----	90	Fair Low content of organic matter Carbonate content	0.12 0.32	Fair Depth to saturated zone	0.89	Fair Hard to reclaim Carbonate content Depth to saturated zone	0.18 0.32 0.89

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TaB: Thurman-----	85	Poor Too sandy Low content of organic matter	0.00 0.12	Good		Poor Too sandy	0.00
W: Water-----	100	Not rated		Not rated		Not rated	
Wa: Wakonda-----	45	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.80 0.90	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.80
Worthing-----	30	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
Chancellor-----	20	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Depth to saturated zone	0.00 0.00
WbA: Wentworth-----	90	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
WbB: Wentworth-----	90	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	

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Wc: Wentworth-----	40	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Worthing-----	30	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
Wh: Whitewood-----	85	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone	0.00
Wo: Worthing-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
Ws: Worthing-----	55	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00

